

CLAIMS

1. A laminated tube comprising a plurality of resin layers respectively formed of thermoplastic resins;

wherein the two or more resin layers among the plurality of resin layers are low-permeability resin layers formed respectively of different low-permeability resins.

2. A laminated tube according to claim 1, wherein the low-permeability resin forming each of the low-permeability resin layers is an ethylene tetrafluoroethylene resin (ETFE resin), a liquid crystallized polymer (LCP), a polyphenylene sulfide resin (PPS resin), an ethylene-vinyl alcohol resin (EVOH resin) or a polybutylene naphthalate resin (PBN resin).

3. The laminated tube according to claim 1, wherein one of the low-permeability resin layers is formed of a mixed resin prepared by mixing powder of one of thermoplastic resins including ethylene tetrafluoroethylene resins (ETFE resins), liquid crystallized polymers (LCPs), polyphenylene sulfide resins (PPS resins), ethylene-vinyl alcohol resins (EVOH resins) and polybutylene naphthalate resins (PBN resins), and another one of those thermoplastic resins.

4. A laminated tube comprising a plurality of resin layers respectively formed of thermoplastic resins;

wherein the two or more resin layers among the plurality of resin layers are low-permeability resin layers, and the thermoplastic resin forming one of the two or more low-permeability resin layers is an ethylene tetrafluoroethylene resin (ETFE resin), a liquid crystallized polymer (LCP), a polyphenylene sulfide resin (PPS resin), an ethylene-vinyl alcohol resin (EVOH resin) or a polybutylene naphthalate resin (PBN resin).

5. The laminated tube according to claim 4, wherein the innermost layer among the plurality of resin layers is a low-permeability resin layer formed of an ethylene tetrafluoroethylene resin (ETFE resin).

6. A laminated tube comprising a plurality of resin layers respectively formed of thermoplastic resins;

wherein the two resin layers are low-permeability resin layers, and the two low-permeability layers are:

- a) a low-permeability resin layer of an ethylene tetrafluoroethylene resin (ETFE resin) and a low-permeability resin layer of an ethylene-vinyl alcohol resin (EVOH resin),
- b) a low-permeability resin layer of an ethylene tetrafluoroethylene resin (ETFE resin) and a low-permeability resin layer of a polyphenylene sulfide resin (PPS resin),
- c) a low-permeability resin layer of a liquid crystallized polymer (LCP) and a low-permeability resin layer of an ethylene tetrafluoroethylene resin (ETFE resin),
- d) a low-permeability resin layer of a polybutylene naphthalate resin (PBN resin) and a low-permeability resin layer of an ethylene tetrafluoroethylene resin (ETFE resin) or
- e) a low-permeability resin layer of a polybutylene naphthalate resin (PBN resin) and a low-permeability resin layer of a polyphenylene sulfide resin (PPS resin).

7. The laminated tube according to any one of claims 1 to 6, wherein the innermost one of the low-permeability resin layers contains a conductive material.